

## Patent Claims

1. Sliding door system for a vehicle, especially a motor vehicle, comprising at least one sliding door (33A, 33B) which can be moved along a track and has at least one power conduction device (1, 34, 35) which is joined at its one end (2) to the sliding door (1, 33A, 33B) and with the other end (1) to a fixed part of the vehicle, whereby at least one section (4, 36) is provided between the ends (1, 2) which has articulated elements (5, 36), characterized by a support (6, 13, 16, 18, 21, 38) on which at least the section (5, 36) can be moved in the lying down.
2. Sliding door system according to Claim 1, characterized by the fact that the support (6, 18, 21) has at least two support elements (7, 8, 19, 20) arranged at a distance to one another.
3. Sliding door system according to Claim 1 or 2, characterized by the fact that at least two supporting elements (7, 8, 19, 20) are arranged displaced with respect to one another.
4. Sliding door system according to Claim 1, 2 or 3, characterized by the fact that at least two supporting elements (7, 8, 19, 20) have a different length.
5. Sliding door system according to one of Claims 1 to 4, characterized by the fact that the support (6, 13, 16, 18, 21, 38) has a contact region with the power conduction device (1, 34, 35) which has a low frictional coefficient.
6. Sliding door system according to Claim 5, characterized by the fact that at least the contact region is formed by a coating.
7. Sliding door system according to one or several of the previous claims, characterized by the fact that the support (6, 13, 16, 18, 21, 38) is formed by at least one profiled part.
8. Sliding door system according to one of claims 1 to 7, characterized by the fact that the support (6, 13, 16, 18, 21, 38) is joined to the vehicle separably.
9. Sliding door system according to one or several of the previous Claims 1 to 8, characterized by the fact that the power conduction device (1) is arranged in a guide channel (11).

10. Sliding door system according to Claim 9, characterized by the fact that the support (1) is connected to the guide channel (11).
11. Sliding door system according to Claim 10, characterized by the fact that the support (1) is an integral part of the guide channel (11).